

CLAIMS

1. A cleaning system comprising a hair removing apparatus and a cleaning device,

said apparatus having a height and an operator head at its top end, said apparatus incorporating an externally controllable electric circuit for driving said operator head and/or charging said apparatus in accordance with an external electric signal, said cleaning device comprising:

a housing configured to hold said apparatus upside down;

a basin formed in said housing for accommodating therein said operator head;

a tank provided on the housing to contain a volume of a cleaning liquid,

a supplying means for supplying the cleaning fluid from said tank to said basin for cleaning the operator head;

a controller for activating said supplying means as well as for providing said electric signal,

said housing being formed with a signal transmitting means for transmitting said electric signal,

said hair removing apparatus having a signal receiving means which comes into electrical interconnection with said signal transmitting means for giving said electric signal to said electric circuit when said apparatus is held by said housing; wherein said signal transmitting means is disposed at a portion of the housing upwardly of said basin, and said signal receiving means is disposed intermediate the height of said apparatus.

2. The cleaning system as set forth in claim 1, wherein  
said signal receiving means comprises terminal pads formed on the exterior of an  
apparatus's casing, and  
said signal transmitting means comprises a set of contacts exposed on an  
exterior of said housing for pressed contact with said terminal pads, respectively.

3. The cleaning system as set forth in claim 1, wherein  
said signal transmitting means comprises a primary winding that is concealed  
within said housing and is electromagnetically coupled to a secondary winding  
held within the apparatus, said primary winding being electrically coupled to said  
controller, and said secondary winding being electrically coupled to said electric  
circuit of the apparatus and defining said signal receiving means.

4. The cleaning system as set forth in claim 1, wherein  
said housing is provided with holding means which holds the apparatus in a  
position where said signal transmission means is kept in electrical  
interconnection with said signal receiving means.

5. The cleaning system as set forth in claim 4, wherein  
said holding means includes a mechanism that gives a bias for urging said signal  
transmitting means towards said signal receiving means.

6. The cleaning system as set forth in claim 5, wherein  
said housing is provided with a pulling unit that pulls the apparatus towards said  
housing to define said mechanism.

7. The cleaning system as set forth in claim 5, wherein  
said housing is provided with a pushing unit that pushes the apparatus against  
said housing to define said mechanism.

8. The cleaning system as set forth in claim 5, wherein  
said housing has a bearing surface for bearing said apparatus, said bearing  
surface being inclined with respect to a height axis of said housing and being  
provided with a stopper for engagement with a portion of the apparatus such that  
the apparatus is guided along the inclined bearing surface and develops the bias  
force by its own weight when it is engaged with the stopper.